AMENDMENTS

In the Claims

1. – 115.   Cancelled.

116.   (Previously Presented) A method comprising:

generating a set of SQL statements to query a first table and a second table, wherein

> the generating uses a relationship between the first table and the second table to construct the set of SQL statements, and

> the set of SQL statements comprises SQL statements other than a statement that joins the first and second tables.

117.   (Previously Presented) The method of claim 116 wherein the relationship comprises:

a parent/child relationship between the first and second tables, wherein

> one of the first and second tables is a parent table, and

> if the first table is the parent table, the second table is a child table, and

> if the second table is the parent table, the first table is the child table.

118.   (Previously Presented) The method of claim 117 further comprising:

querying the parent table using the set of SQL statements to produce a result set; and

using the result set for constructing a second set of SQL statements to query the child

> table, wherein

> the second set of SQL statements comprises SQL statements other than a second statement that joins the second table to another table.

119.   (Previously Presented) The method of claim 118 further comprising:

querying the child table using the second set of SQL statements to produce a second

> result set; and

joining the result set and the second result set to produce a third result set.

120. (Previously Presented) The method of claim 119 further comprising:

returning the third result set as a result of the query of the first and second tables.

121. (Previously Presented) The method of claim 118 wherein

the second set of SQL statements comprises:

a query statement for selecting a record having a value of a foreign key field of

the second table equal to a value of a target key field in the result set.

122. (Previously Presented) The method of claim 116 further comprising:

querying the first table using the set of SQL statements to produce a result set; and

using the result set for constructing a second set of SQL statements to query the second

table, wherein

the second set of SQL statements comprises SQL statements other than a second

statement that joins the second table to another table.

123. (Previously Presented) The method of claim 122 further comprising:

querying the second table using the second set of SQL statements to produce a second

result set; and

joining the result set and the second result set to produce a third result set.

124. (Previously Presented) The method of claim 123 further comprising:

returning the third result set as a result of the query of the first and second tables.

125. (Previously Presented) The method of claim 122 wherein the second set of SQL

statements comprises:

a query statement for selecting a record having a value of a foreign key field of the

second table equal to a value of a target key field in the result set.

126. (Previously Presented) The method of claim 116 further comprising:

obtaining a search specification for the query of the first and second tables, wherein

the set of SQL statements comprises a query statement to select a record from at

least one of the first and second tables if the record satisfies the search

specification.

127. (Previously Presented) The method of claim 126 further comprising:

executing the set of SQL statements to produce a result set; and

returning the result set in response to the search specification.

128. (Previously Presented) A system comprising:

generating means for generating a set of SQL statements to query a first table and a

    second table, wherein

        the generating means use a relationship between the first table and the second

            table to construct the set of SQL statements, and

        the set of SQL statements comprises SQL statements other than a statement that

            joins the first and second tables; and

determining means for determining if a parent/child relationship exists between the first

    and second tables.

129. (Previously Presented) The system of claim 128 further comprising:

parent table determining means for determining if one of the first and second tables is a

    parent table, if the parent/child relationship exists, and configured to indicate

    if the first table is the parent table, that the second table is a child table, and

    if the second table is the parent table, that the first table is the child table.

130. (Previously Presented) The system of claim 129 further comprising:

querying means for querying the parent table using the set of SQL statements to produce

    a result set; and

using means for using the result set for constructing a second set of SQL statements to

    query the child table, wherein

        the second set of SQL statements comprises SQL statements other than a second

            statement that joins the second table to another table.

131. (Previously Presented) The system of claim 130 further comprising:

second querying means for querying the child table using the second set of SQL

    statements to produce a second result set; and

joining means for joining the result set and the second result set to produce a third result

    set.

132.   (Previously Presented) The system of claim 131 further comprising:

returning means for returning the third result set as a result of the query of the first and
      second tables.

133.   (Previously Presented) The system of claim 130 wherein

the second set of SQL statements comprises:

        a query statement for selecting a record having a value of a foreign key field of
                the second table equal to a value of a target key field in the result set.

134.   (Previously Presented) The system of claim 128 further comprising:

querying means for querying the first table using the set of SQL statements to produce a
      result set; and

using means for using the result set for constructing a second set of SQL statements to
      query the second table, wherein

        the second set of SQL statements comprises SQL statements other than a second
                statement that joins the second table to another table.

135.   (Previously Presented) The system of claim 128 further comprising:

obtaining means for obtaining a search specification for the query of the first and second
      tables, wherein

        the set of SQL statements comprises a query statement to select a record from at
                least one of the first and second tables if the record satisfies the search
                specification.

136.   (Previously Presented) The system of claim 135 further comprising:

executing means for executing the set of SQL statements to produce a result set; and

returning means for returning the result set in response to the search specification.

137.   (Previously Presented) A computer program product comprising:

generating instructions to generate a set of SQL statements to query a first table and a
      second table, wherein

        the generating instructions are configured to use a relationship between the first
                table and the second table, and

the set of SQL statements comprises SQL statements other than a statement that
joins the first and second tables; and

computer-readable storage medium, wherein the computer program product is encoded in
the computer readable storage media.

138.   (Previously Presented) The computer program product of claim 137 wherein the
relationship comprises:

a parent/child relationship between the first and second tables, wherein

one of the first and second tables is a parent table, and

if the first table is the parent table, the second table is a child table, and

if the second table is the parent table, the first table is the child table.

139.   (Previously Presented) The computer program product of claim 138 further
comprising:

querying instructions configured to query the parent table using the set of SQL statements
to produce a result set; and

using instructions configured to use the result set for constructing a second set of SQL
statements to query the child table , wherein

the second set of SQL statements comprises SQL statements other than a second
statement that joins the second table to another table.

140.   (Previously Presented) The computer program product of claim 139 further
comprising:

second querying instructions configured to query the child table using the second set of
SQL statements to produce a second result set; and

joining instructions configured to join the result set and the second result set to produce a
third result set.

141.   (Previously Presented) The computer program product of claim 140 further
comprising:

returning instructions configured to return the third result set as a result of the query of
the first and second tables.

142. (Previously Presented) The computer program product of claim 139 wherein the second set of SQL statements comprises:

a query statement for selecting a record having a value of a foreign key field of the second table equal to a value of a target key field in the result set.

143. (Previously Presented) The computer program product of claim 137 further comprising:

querying instructions configured to query the first table using the set of SQL statements to produce a result set; and

using instructions configured to use the result set to construct a second set of SQL statements to query the second table, wherein

the second set of SQL statements comprises SQL statements other than a second statement that joins the second table to another table.

144. (Previously Presented) The computer program product of claim 137 further comprising:

obtaining instructions configured to obtain a search specification for the query of the first and second tables, wherein

the set of SQL statements comprises a query statement to select a record from at least one of the first and second tables if the record satisfies the search specification.

145. (Previously Presented) The computer program product of claim 144 further comprising:

executing instructions configured to execute the set of SQL statements to produce a result set; and

returning instructions configured to return the result set in response to the search specification.

146. (Previously Presented) A computer system comprising:

a processor to execute instructions; and

a memory to store the instructions, wherein

the memory is coupled to the processor, and

the instructions comprise:

generating instructions configured to generate a set of SQL statements to

query a first table and a second table, wherein

the generating instructions use a relationship between a first table

and a second table to construct the set of SQL statements,

and

the set of SQL statements comprises SQL statements other than a

statement that joins the first and second tables.

147. (Previously Presented) The computer system of claim 146 wherein the relationship comprises:

a parent/child relationship between the first and second tables, wherein

one of the first and second tables is a parent table, and

if the first table is the parent table, the second table is a child table, and

if the second table is the parent table, the first table is the child table.

148. (Previously Presented) The computer system of claim 147 wherein the instructions further comprise:

querying instructions configured to query the parent table using the set of SQL statements

to produce a result set; and

using instructions configured to use the result set for constructing a second set of SQL

statements to query the child table, wherein

the second set of SQL statements comprises SQL statements other than a second

statement that joins the second table to another table.

149. (Previously Presented) The computer system of claim 148 wherein the instructions further comprise:

second querying instructions configured to query the child table using the second

set of SQL statements to produce a second result set; and

joining instructions configured to join the result set and the second result set to

produce a third result set.

150.   (Previously Presented) The computer system of claim 149 wherein the instructions further comprise:

> returning instructions configured to return the third result set as a result of the query of the first and second tables.

151.   (Previously Presented) The computer system of claim 148 wherein the second set of SQL statements comprises:

> a query statement for selecting a record having a value of a foreign key field of the second table equal to a value of a target key field in the result set.

152.   (Previously Presented) The computer system of claim 146 wherein the instructions further comprise:

querying instructions configured to query the first table using the set of SQL statements to produce a result set; and

using instructions configured to use the result set to construct a second set of SQL statements to query the second table, wherein

> the second set of SQL statements comprises SQL statements other than a second statement that joins the second table to another table.

153.   (Previously Presented) The computer system of claim 146 wherein the instructions further comprise:

> obtaining instructions configured to obtain a search specification for the query of the first and second tables, wherein
>> the set of SQL statements comprises a query statement to select a record from at least one of the first and second tables if the record satisfies the search specification.

154.   (Previously Presented) The computer system of claim 154 wherein the instructions further comprise:

> executing instructions configured to execute the set of SQL statements to produce a result set; and
> returning instructions configured to return the result set in response to the search specification.

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155.   (Previously Presented) A system comprising:

a generating module configured to generate a set of SQL statements to query a first table

      and a second table, wherein

            the generating module uses a relationship between a first table and a second table,

                and

            the set of SQL statements comprises SQL statements other than a statement that

                joins the first and second tables.

156.   (Previously Presented) The system of claim 155 wherein the relationship
comprises:

a parent/child relationship between the first and second tables, wherein

            one of the first and second tables is a parent table, and

            if the first table is the parent table, the second table is a child table, and

            if the second table is the parent table, the first table is the child table.

157.   (Previously Presented) The system of claim 156 further comprising:

a querying module configured to query the parent table using the set of SQL statements

            to produce a result set; and

a using module configured to use the result set for constructing a second set of SQL

            statements to query the child table , wherein

                the second set of SQL statements comprises SQL statements other than a second

                statement that joins the second table to another table.

158.   (Previously Presented) The system of claim 157 further comprising:

a second querying module configured to query the child table using the second set of

            SQL statements to produce a second result set; and

a joining module configured to join the result set and the second result set to produce a

            third result set.

159.   (Previously Presented) The system of claim 158 further comprising:

a returning module configured to return the third result set as a result of the query of the

            first and second tables.

160.   (Previously Presented) The system of claim 157 wherein
the second set of SQL statements comprises:

 a query statement for selecting a record having a value of a foreign key field of
  the second table equal to a value of a target key field in the result set.

161.   (Previously Presented) The system of claim 155 further comprising:

a querying module configured to query the first table using the set of SQL statements to
 produce a result set; and

a using module configured to use the result set to construct a second set of SQL
 statements to query the second table, wherein
  the second set of SQL statements comprises SQL statements other than a second
   statement that joins the second table to another table.

162.   (Previously Presented) The system of claim 155 further comprising:

an obtaining module configured to obtain a search specification for the query of the first
 and second tables, wherein
  the set of SQL statements comprises a query statement to select a record from at
   least one of the first and second tables if the record satisfies the search
   specification.

163.   (Previously Presented) The system of claim 162 further comprising:

an executing module configured to execute the set of SQL statements to produce a result
 set; and

a returning module configured to return the result set in response to the search
 specification.

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